

**Title IID/Office of Educational Technology, Queens  
NYC DOE**

**Introduction to Stop Motion Animation with Frames**

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**AGENDA**

**SESSION I 8:30-8:45**

Introductions  
Housekeeping

**SESSION 2 8:45 - 9:00**

What is stop motion/cell animation?

- An animation technique to make a physically manipulated object/image appear to move on its own.
- The illusion of movement due to persistence of vision

Watch a few samples of student-created animations (see Tech4Learning site)

Why use animation in the classroom?

- Visual communication is a 21<sup>st</sup> Century skill
- Supports ISTE standards, specifically
  - Creativity and innovation
  - Collaboration
  - Communication
  - Critical thinking
  - Problem solving and decision making
- Kids of all ages love it and become more engaged with their learning

**SESSION 3 9:00-10:00**

Project focus for the day: Participants will create a short animation (1-2 minutes) on one of the following:

- a moment in history
  - MEDIA RESOURCES available at [Voicesinhistory.wikispaces.com](http://Voicesinhistory.wikispaces.com)
- an endangered animal
  - Media resources available at [ewittendangeredanimals.weebly.com](http://ewittendangeredanimals.weebly.com)

Create a storyboard for your animation

- Select background images
- Select foreground images where applicable

- Write dialogue and narrative to sync with images

## **SESSION 4 10:00 – 11:00**

### **Exploring Frames 5 software**

- Overview of Interface
  - Menu
  - Thumbnails: Frame List/Storyboard
  - Work Area
  - Tools/Library
  - Timeline
    - Two audio tracks
    - One visual track
- Creating first frame
  - Adding background
    - Tools>Fill>Add Image
    - Library>Pics4learning>backgrounds>resize and right click to lock
  - Adding additional images/layers
    - Positioning layers - create depth
    - Manipulating Images
      - Moving and rotating
      - Resizing
      - Flipping
      - Shadows
      - Flash Animate/animation duration
- Creating additional Frames and beginning cell animation (stop motion with images instead of objects)
  - Storyboard Thumbnails
  - Click on Frame
  - Click on Clone
  - Move or change something and turn on onion skin feature. Changes and movements should be in small increments for the best animation result
  - Click on Clone
    - Change backgrounds where applicable
  - Make sure you SAVE every couple of frames and NAME your project
- Do the math (out-of-the-box setting is two frames per second)
- Adding Title Cards and extending view time per frame
- Adding text
- Adding audio and syncing to a specific frame
- Using drawing tools
  - Shapes
  - Pencil
  - Pen
  - Layering

## **SESSION 5 11:00 – 12:50**

Create your animation

- Find images in the Frames Library
- Additional images can be “drag and drop” from your desktop
- You can add drawn images created in Frames
- Using the Chroma Key function to create a transparency

**SESSION 6 12:50 – 1:00**

Exporting your project and collecting finished animations

"Make" button

- Podcast
- Web
- Presentation - for movies
- Adobe Flash
- GIF - for small animations to use on blogs, wikis, etc.

Demo only: Uploading animations to Vimeo

Link to screenshot tutorial on using Vimeo:

<http://www.scribd.com/doc/31036395/Vimeo-Tutorial>

Advanced Frames 5 tools to explore with Tech4Learning tutorials:

Collaboration and Sharing

How do you see this being used by your students in your content area?

**SESSION 7 1:00 - 1:15**

**Shareout**

**SESSION 8 1:15-1:30**

Complete PD Survey